



SEQUENCE LISTING

<110> FOGELMAN, ALAN M.

ANANTHARAMAIAH, GATTADAHALLI M.

NAVAB, MOHAMAD

<120> ORALLY ADMINISTERED SMALL PEPTIDES SYNERGIZE STATIN ACTIVITY

<130> 407T-911270US

<140> US10/649,378

<141> 2003-08-26

<150> US10/423,830

<151> 2003-04-25

<150> US10/273,386

<151> 2002-10-16

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<151> 2002-06-28

<150> US09/896,841

<151> 2001-06-29

<150> US09/645,454

<151> 2000-08-24

<150> US60/494,449

<151> 2003-08-11

<160> 465

<170> PatentIn version 3.3

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Ala Leu

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Trp Trp

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Phe Leu

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Ala Phe

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Phe Leu

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Phe Leu

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Phe Phe

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Ala Phe

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<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 66

Glu Trp Leu Lys Ala Phe Tyr Glu Arg Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Ala Phe

<210> 67

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 67

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Arg Leu Lys Glu
1 5 10 15

Ala Phe

<210> 68

<211> 18

<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 68

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Ala Glu Arg Leu Lys Glu
1 5 10 15

Ala Phe

<210> 69
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 69

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Arg Glu
1 5 10 15

Ala Phe

<210> 70
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 70

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Leu Arg Glu
1 5 10 15

Ala Phe

<210> 71

<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 71

Asp Trp Leu Lys Ala Phe Tyr Asp Arg Val Ala Glu Arg Leu Lys Glu
1 5 10 15

Ala Phe

<210> 72
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 72

Glu Trp Leu Lys Ala Phe Tyr Glu Arg Val Ala Glu Arg Leu Lys Glu
1 5 10 15

Ala Phe

<210> 73
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 73

Asp Trp Leu Arg Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Arg Glu
1 5 10 15

Ala Phe

<210> 74
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 74

Glu Trp Leu Arg Ala Phe Tyr Glu Lys Val Ala Glu Lys Leu Arg Glu
1 5 10 15

Ala Phe

<210> 75
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 75

Asp Trp Leu Arg Ala Phe Tyr Asp Arg Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Ala Phe

<210> 76
<211> 18
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 76

Glu Trp Leu Arg Ala Phe Tyr Glu Arg Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Ala Phe

<210> 77
<211> 18
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 77

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Arg Leu Arg Glu
1 5 10 15

Ala Phe

<210> 78
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 78

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Ala Glu Arg Leu Arg Glu
1 5 10 15

Ala Phe

<210> 79
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 79

Asp Trp Leu Arg Ala Phe Tyr Asp Lys Val Ala Glu Arg Leu Lys Glu
1 5 10 15

Ala Phe

<210> 80
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 80

Glu Trp Leu Arg Ala Phe Tyr Glu Lys Val Ala Glu Arg Leu Lys Glu
1 5 10 15

Ala Phe

<210> 81
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 81

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
20 25 30

Leu Lys Glu Ala Phe
35

<210> 82
<211> 37
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 82

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu

<210> 85
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 85

Asp Lys Trp Lys Ala Val Tyr Asp Lys Phe Ala Glu Ala Phe Lys Glu
1 5 10 15

Phe Leu Pro Asp Lys Trp Lys Ala Val Tyr Asp Lys Phe Ala Glu Ala
20 25 30

Phe Lys Glu Phe Leu
35

<210> 86
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 86

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe Pro Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
20 25 30

Phe Lys Glu Ala Phe
35

<210> 87
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 87

Asp Trp Leu Lys Ala Phe Val Tyr Asp Lys Val Phe Lys Leu Lys Glu
1 5 10 15

Phe Phe Pro Asp Trp Leu Lys Ala Phe Val Tyr Asp Lys Val Phe Lys
20 25 30

Leu Lys Glu Phe Phe
35

<210> 88

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 88

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Phe Ala Glu Lys Phe Lys Glu
1 5 10 15

Phe Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Phe Ala Glu Lys
20 25 30

Phe Lys Glu Phe Phe
35

<210> 89

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 89

Glu Trp Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 90
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 90

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe
1 5 10

<210> 91
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 91

Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10

<210> 92
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 92

Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Phe Lys Glu
1 5 10

<210> 93
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 93

Asn Met Ala Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys
1 5 10 15

Glu

<210> 94
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 94

Asn Met Ala Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Phe Lys
1 5 10 15

Glu

<210> 95
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 95

Asn Met Ala Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
1 5 10 15

Phe Lys Glu Ala Phe
20

<210> 96
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 96

Asn Met Ala Glu Trp Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys
1 5 10 15

Phe Lys Glu Ala Phe
20

<210> 97
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 97

Asn Met Ala Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu Ala
1 5 10 15

Phe

<210> 98
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 98

Asn Met Ala Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
1 5 10 15

Phe

<210> 99
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 99

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu
1 5 10 15

Phe Phe Asn Met Ala Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe
20 25 30

Glu Lys Phe Lys Glu Phe Phe
35

<210> 100

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 100

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu
1 5 10 15

Phe Phe Asn Met Ala Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe
20 25 30

Glu Lys Phe Lys Glu Phe Phe
35

<210> 101

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 101

Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu Phe Phe Asn Met
1 5 10 15

Ala Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu Phe Phe
20 25 30

<210> 102
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 102

Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu Phe Phe Asn Met
1 5 10 15

Ala Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu Phe Phe
20 25 30

<210> 103
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 103

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Asn Met
1 5 10 15

Ala Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe
20 25 30

<210> 104
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 104

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Asn Met
1 5 10 15

Ala Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe
20 25 30

<210> 105
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 105

Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu Asn Met
1 5 10 15

Ala Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu
20 25 30

<210> 106
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 106

Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu Asn Met
1 5 10 15

Ala Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu
20 25 30

<210> 107
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 107

Asp Lys Trp Lys Ala Val Tyr Asp Lys Phe Ala Glu Ala Phe Lys Glu
1 5 10 15

Phe Leu

<210> 108
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 108

Asp Lys Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Trp Ala Lys Glu
1 5 10 15

Ala Phe

<210> 109
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 109

Lys Arg Ser
1

<210> 110
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 110

Lys Arg Thr
1

<210> 111
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 111

Trp Arg Ile

1

<210> 112
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 112

Trp Arg Leu

1

<210> 113
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 113

Phe Arg Ile

1

<210> 114
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 114

Phe Arg Leu

1

<210> 115

<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 115

Lys Glu Ser
1

<210> 116
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 116

Lys Glu Thr
1

<210> 117
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 117

Lys Asp Ser
1

<210> 118
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 118

Lys Asp Thr

1

<210> 119
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 119

Lys Arg Ser
1

<210> 120
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 120

Lys Arg Thr
1

<210> 121
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 121

Leu Glu Ser
1

<210> 122
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 122

Leu Glu Thr

1

<210> 123

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 123

Trp Arg Ser

1

<210> 124

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 124

Trp Asp Ser

1

<210> 125

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 125

Trp Glu Ser

1

<210> 126

<211> 3

<212> PRT

<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 126

Trp Arg Ser
1

<210> 127
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 127

Lys Glu Leu
1

<210> 128
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 128

Leu Arg Ser
1

<210> 129
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 129

Leu Asp Ser
1

<210> 130
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 130

Leu Glu Ser
1

<210> 131
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 131

Leu Arg Ser
1

<210> 132
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 132

Leu Arg Thr
1

<210> 133
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 133

Glu Asp Tyr
1

<210> 134
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 134

Lys Arg Ser
1

<210> 135
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 135

Trp Arg Ile
1

<210> 136
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 136

Trp Arg Leu
1

<210> 137
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or

unprotected D or L form.

<400> 137

Phe Arg Ile

1

<210> 138

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 138

Phe Arg Leu

1

<210> 139

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 139

Trp Arg Phe

1

<210> 140

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 140

Trp Arg Tyr

1

<210> 141

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 141

Trp Arg Phe

1

<210> 142

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 142

Trp Arg Tyr

1

<210> 143

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>

<221> misc_feature

<222> (1)..(1)

<223> Xaa is ornithine

<400> 143

Xaa Arg Ser

1

<210> 144

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 144

Lys Arg Ser

1

<210> 145

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 145

Lys Arg Thr

1

<210> 146

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 146

Leu Asp Thr

1

<210> 147

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 147

Leu Glu Thr

1

<210> 148

<211> 3

<212> PRT

<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 148

Leu Arg Thr
1

<210> 149
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa is ornithine.

<400> 149

Xaa Arg Ser
1

<210> 150
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa is ornithine.

<400> 150

Xaa Asp Ser
1

<210> 151
<211> 3
<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>

<221> misc_feature

<222> (1)..(1)

<223> Xaa is ornithiine

<400> 151

Xaa Glu Ser

1

<210> 152

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>

<221> misc_feature

<222> (1)..(1)

<223> Xaa is ornithine.

<400> 152

Lys Arg Ser

1

<210> 153

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 153

Lys Arg Thr

1

<210> 154

<211> 3

<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 154

Lys Glu Ser
1

<210> 155
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 155

Lys Glu Thr
1

<210> 156
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 156

Lys Asp Ser
1

<210> 157
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 157

Lys Asp Thr
1

<210> 158
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 158

Lys Glu Leu
1

<210> 159
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 159

Lys Arg Leu
1

<210> 160
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 160

Lys Arg Thr
1

<210> 161
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
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<210> 162

<211> 3

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<210> 163

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<210> 164

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<210> 165

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Lys Glu Leu

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<210> 167
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<210> 190

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1

<210> 191

<211> 3

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<210> 192

<211> 3

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<210> 193

<211> 3

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<400> 193

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<210> 194

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<223> Xaa is norleucine.

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Glu His Tyr
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<210> 197
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<210> 200

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<210> 202

<211> 3

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1

<210> 203

<211> 3

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Lys His Thr

1

<210> 204

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Xaa His Ser

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<210> 206

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<223> Xaa is norleucine.

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Phe His Xaa

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<210> 210

<211> 3

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Phe Lys Leu

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<210> 224

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<210> 225

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<210> 227

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<210> 238
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<211> 4

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<210> 254
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<210> 255
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<210> 256

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1

<210> 262
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<400> 262

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1

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<210> 265
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<400> 265

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<210> 266
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Lys Glu Arg Leu

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<210> 295

<211> 4

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<210> 296

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<211> 4

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<210> 350

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<211> 4

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<222> (4)..(4)

<223> Xaa is norleucine.

<400> 371

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<210> 372

<211> 4

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<211> 4

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<210> 388

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unprotected D or L form.

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<210> 400

<211> 4

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<211> 4

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<210> 405

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<210> 411

<211> 4

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<210> 412

<211> 4

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<211> 5

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<211> 4

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<211> 5

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1 5 10 15

Ala Phe

<210> 453

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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 454

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<212> PRT

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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 455

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<400> 455

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 456

<211> 18

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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 457

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<400> 457

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 458

<211> 18

<212> PRT

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<400> 458

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 459

<211> 18

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<400> 459

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 460

<211> 18

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<400> 460

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
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Ala Phe

<210> 461

<211> 18

<212> PRT

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<400> 461

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 462

<211> 18

<212> PRT

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<400> 462

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Ala Phe

<210> 463

<211> 18

<212> PRT

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unprotected D or L form.

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Ala Phe

<210> 464

<211> 18

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Ala Phe

<210> 465

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1				5					10					15	

Ala Phe